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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,278	06/29/2004	Hiroyoshi Tominaga	120214	9347
25944 OLIFF & BER	7590 03/09/2007 RIDGE PLC	EXAMINER		
P.O. BOX 19928			RACHUBA, MAURINA T	
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			3723	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MONTHS		03/09/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/500,278	TOMINAGA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Maurina Rachuba	3723				
The MAILING DATE of this communication appeariod for Reply	ppears on the cover sheet	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING [Orange of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN. 136(a). In no event, however, may a d will apply and will expire SIX (6) MC te, cause the application to become a	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 28	February 2007.					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under		•				
Disposition of Claims						
4) ⊠ Claim(s) <u>27,28,30,32,33,35,37 and 39</u> is/are 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>27,32,37 and 39</u> is/are rejected. 7) ⊠ Claim(s) <u>28 30 33 35</u> is/are objected to. 8) □ Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9) ☐ The specification is objected to by the Examin 10) ☑ The drawing(s) filed on 29 June 2004 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Examination.	a)⊠ accepted or b)⊡ obj e drawing(s) be held in abeya ction is required if the drawin	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority documer application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in ority documents have bee au (PCT Rule 17.2(a)).	Application No n received in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No	(s)/Mail Date Informal Patent Application				
S. Patent and Trademark Office PTOL-326 (Rev. 08-06) Office A	Action Summary	Part of Paper No./Mail Date 20070305				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 27, 32, 37 and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zhang et al, 6,454,635 in view of JP 9-174418, cited by applicant in the IDS filed 28 September 2006, with English translation. '635 discloses the claimed invention including the center of each wafer holding hole disposed along the first pitch circle diameter, but does not disclose the upper turn table comprising a plurality of load supporting points disposed along a second pitch circle having a second diameter equal to the first diameter corresponding to a first pitch circle, the center of each wafer holding hole disposed along the first pitch circle diameter, the load supporting points configured

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to receive and distribute applied force to the upper turn table. In a similar device, '418 teaches providing an upper turntable with a plurality of load supporting points disposed along a second pitch circle having a second diameter equal to the first diameter corresponding to a first pitch circle. It would have been obvious to one of ordinary skill to have provided '635 with load supporting points taught by '418, figures 1 and 2, to maintain the level condition of the upper turn table, see page 7, first paragraph.

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Allowable Subject Matter

4. Claims 28, 30, 33 and 35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments, see page 2 of applicant's remarks, filed 28 February 2007, with respect to the rejection(s) of claim(s) 27, 32, 37 and 39 under 35 USC 102/103 have been fully considered and are partly persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Zhang et al, 6,454,635. Applicant argues that '418 does not disclose turn tables, defined by applicant as tables that rotate. The examiner agrees and this rejection has been withdrawn. '635 clearly teaches that it is known to provide rotating turntables with polishing pads to polish both sides of a wafer simultaneously. '418 does teach providing the load supporting points as claimed. Applicant argues that there is no disclosure that the points lie on a diameter of a circle that is equal to the diameter of a first circle, the center of each wafer holding hole disposed along the first pitch circle.

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Please refer to MPEP 2125, which states in part: "When the reference is a utility patent, it does not matter that the feature shown is unintended or unexplained in the specification. The drawings must be evaluated for what they reasonably disclose and suggest to one of ordinary skill in the art. In re Aslanian, 590 F.2d 911, 200 USPQ 500 (CCPA 1979)." Here, baring other evidence to the contrary, '418 clearly discloses that the load supporting point lie on a diameter that is equal to the diameter of a first circle.

6. This action is made non-final to allow applicant fair opportunity to respond to the new grounds of rejection.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maurina Rachuba whose telephone number is 571 272 4493. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on 571 272 4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Maurina Rachuba Primary Examiner Page 5

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